

.22LR.
SMALLBORE-RIFLE

USER MANUAL



DEVELOPMENT

ADVICE

SALE

AMMUNITION

BLEIKER OF SWITZERLAND
BLEIKER[®]+

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For the marksman who wants the ultimate in
precision for maximum results!

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precision for maximum results!

DEAR SHOOTER,

Many years of experience combined with the latest methods and well-qualified employees are our basis for quality and performance. Outstanding successes, such as Olympic champion, world champion titles, World Cup victories and world records are our motivation for further innovation.

We produce rifle components of highest accuracy with state of the art CNC machines. Our products are tested for precision by exacting processes. The customer is our partner; we meet his needs through direct contact and through the well-trained specialized trade.

Our aim is to grow with our customers and thus to contribute to their success.

Our rifles are fully compliant with ISSF regulations.

Our company has been certified as SQS since 1998, and meets the standard ISO 9001:2008. We therefore guarantee top quality of our products.



BLEIKER OF SWITZERLAND



STOP

Read the user manual before using the rifle!

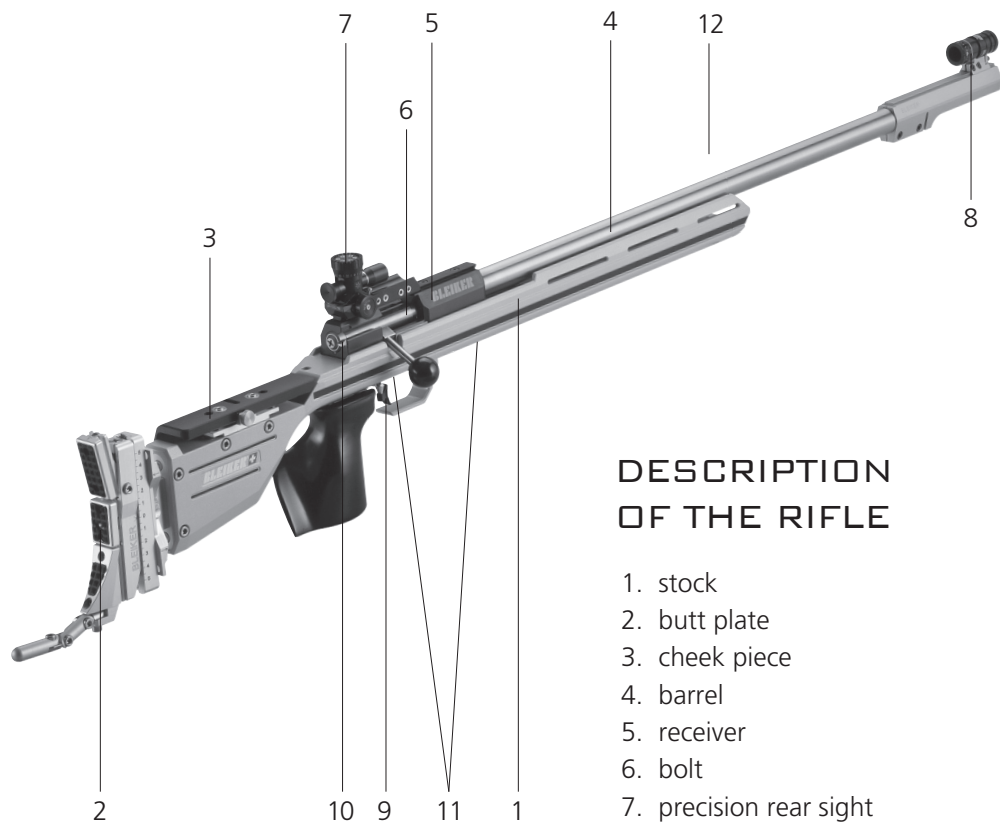
The safety instructions must always be followed. Further legal safety requirements or further regulations for individual firing ranges or specific shooting events have always priority over these safety instructions.

Careless use of firearms can cause injury or death of persons, as well as damage to property.

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DESCRIPTION OF THE RIFLE

1. stock
2. butt plate
3. cheek piece
4. barrel
5. receiver
6. bolt
7. precision rear sight
8. front sight base with front sight tunnel
9. trigger
10. bolt holding latch
11. barreled action adjustment screw
(tightening torque 4–4,5 Nm)

SAFETY INSTRUCTIONS

- The rifle is always to be considered as loaded and ready for firing. Always handle your rifle as if it were loaded, until you have (visually and manually) assured yourself of the contrary by unloading it (bolt is open).
- Always use clean, dry, non-corroding and undamaged original ammunition of the right type and caliber, available from specialized trade. The use of wrong or defective ammunition can lead to damages to the rifle or severe injuries of persons.
- Always keep the rifle pointed in a safe direction during any kind of handling in order not to endanger persons or property when firing a shot. Prevailing regulations for the handling of the rifle in individual firing ranges or at shooting events must be complied with.
- Always wear earplugs and earmuffs when shooting. Otherwise, there is a danger of lasting hearing damages.
- Before shooting, always make sure that the barrel is not blocked (barrel control).
- Load the rifle only immediately before use. Place the finger on the trigger only when you take aim at the target.
- Always unload the rifle immediately after firing. Unload the rifle only in an appropriate area, at the firing point in firing ranges. Always keep the muzzle pointed in a safe direction where you do not endanger persons or property.
- Always check the rifle to see if it is unloaded before leaving the firing point.
- Never leave your rifle unattended.
- For the storage, the rifle must not be loaded, not even with a dummy cartridge. Rifle and ammunition must be stored separately and be kept under lock and out of the reach of children or unauthorized persons.



MALFUNCTIONS

In the following cases, interrupt firing immediately, unload the rifle and check whether the barrel contains any impurity.

- If you have difficulties inserting the cartridge into the cartridge chamber, or if you feel an unusual resistance;
- If you can not close the bolt;
- In the case of a misfire (if the cartridge can not be fired);
- If the mechanism does not eject the cartridge case;
- If you discover unburnt gunpowder grains in the mechanism;
- If a shot feels or sounds abnormal;
- If your rifle has a mechanical defect;
- If your rifle blocks;
- If your rifle spews powder gas;
- If a cartridge case is indented or broken.

Never use force in the case of malfunctions! Interrupt firing immediately!

Unload the rifle and bring it, together with the ammunition, to a gunsmith for examination. Careless handling in the case of malfunctions can endanger persons and lead to damages to the rifle and other property.

If you assume that a bullet is blocking the barrel, unload the rifle immediately and remove the bolt from the receiver in order to look through the barrel bore. It is insufficient to merely look into the cartridge chamber, as a bullet can be stuck so deep inside the barrel bore that it can not be seen.

If a bullet is blocking the barrel, under no circumstances try to remove it by firing another cartridge, or by using a blank cartridge or a cartridge with removed projectile. Disregard of this rule can lead to injury or death of persons, as well as to damage to the rifle and other property.

Before continue firing, the rifle has to be cleaned from possible unburnt gunpowder grains.

If a malfunction blocks the rifle, the bolt can not be opened any more and ammunition remnants cover the barrel bore.

Ask for a gunsmith!

USER INSTRUCTIONS

The Bleiker smallbore rifle has been developed for high-performance sports. The cartridge chamber has been constructed following the CIP guideline.

CIP is an international organization for the calibration and verification of firearms and ammunition. Your Bleiker smallbore rifle has been CIP approved.

Not all ammunition available on the market does comply with CIP norms. Any cartridges not complying with standards can damage your Bleiker smallbore rifle. Such cartridges must not be used. You must be able to close the bolt with ease and without using force.

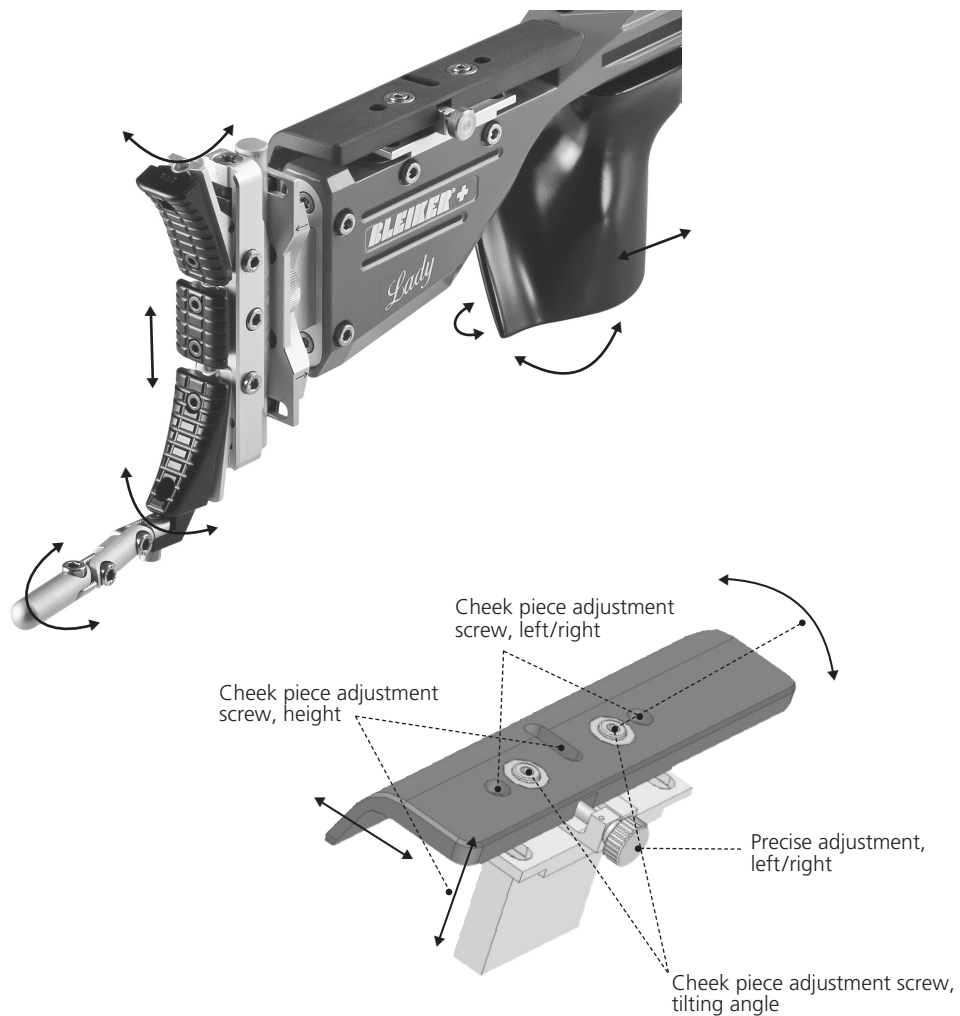
Bleiker takes no responsibility for damages to the rifle caused by the use of force.



For the marksman who wants the ultimate in precision for maximum results!

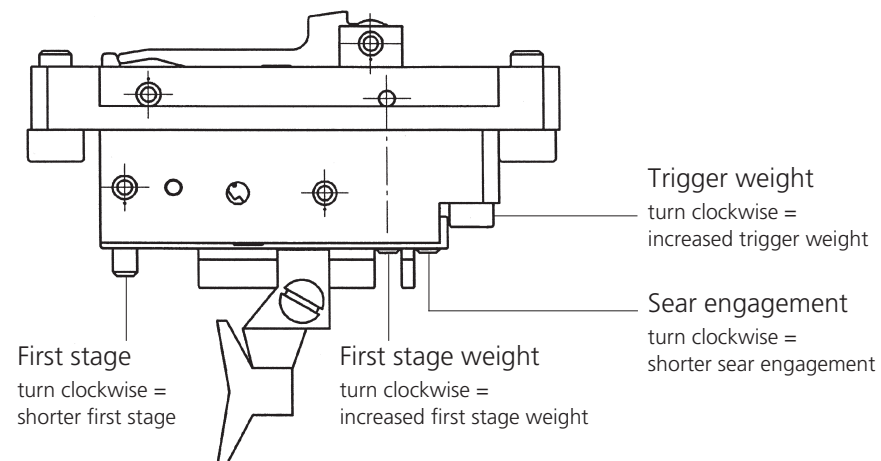
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STOCK ADJUSTMENT



Butt plate, cheek piece and grip can be easily adjusted to individual preferences.
Grip sizes: S/M/L/XL

LR22 TRIGGER ADJUSTMENT



HANDLING OF THE RIFLE



UNLOADING

- Point the rifle at a range butt
- Open the bolt. Remove the cartridge case out of the cartridge chamber
- Check (manually and visually) if the cartridge chamber is empty

The rifle can be considered unloaded if the bolt is visibly open and the cartridge chamber is empty.

DRY-FIRING

Always use a dummy cartridge for your dry-firing exercises. Releasing the trigger without a cartridge in the chamber can cause breaking of the firing pin.

SECURING THE RIFLE

Bolt has to be visibly open.

STORAGE OF THE RIFLE

Always check whether the rifle is unloaded, and then uncock it. For the uncocked rifle, the signal pin of the firing pin has to show «uncocked», i.e. it must no longer protrude from the bolt cap.

Uncock and close the bolt for the storage of the rifle as follows:

- Control if the cartridge chamber is empty
- Keep the trigger pulled down
- Slowly close the bolt with the other hand
- Watch the signal pin of the firing pin turning to «uncocked» position
- Release the trigger and store your rifle into a rifle case

COCKING AND UNCOCKING THE BOLT

For the separate storage of bolt and rifle.



complete bolt

(firing pin)



*cock and uncock the firing pin
insert the bolt backwards into the action*

Every rifle is to be considered as loaded until you have assured yourself of the contrary by unloading it. Always keep the rifle pointed in a safe direction during any kind of handling.

Any kind of handling has to be carried out slowly and without using force.



MAINTENANCE

Please comply with the following instructions about the maintenance of your rifle. This is the only way that you can ensure the functionality and the high accuracy of your rifle, even after many years of considerable use and a large number of shots. Insufficient maintenance, however, can lead to damages to the rifle and malfunctions.

Your BLEIKER KK «Challenger» has a top precision. It is absolutely essential that you maintain your rifle very well. Success will only be achieved by very intense cleaning in accordance with our instructions.

Principally, the rifle should be cleaned after every use.

BARREL BORE AND CARTRIDGE CHAMBER

Clean the barrel bore principally after every shooting session. We highly recommend the use of a cleaning rod guide in order to protect the trigger mechanism.



*Cleaning with a cleaning
rod guide*

ATTENTION: Push the cleaning rod only from the chamber to the muzzle. Do not pull back the rod if it left the muzzle! Otherwise, the muzzle could be damaged. Only use bronze brushes as steel brushes can damage the barrel.

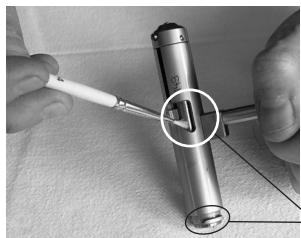
CLEANING PROCESS

- 1 Unlatch the bolt and remove it from the receiver.
- 2 Insert a cleaning rod guide into the receiver. Remove the sight extension tube, clean the muzzle.
- 3 Apply a VFG felt pellet to the cleaning rod adapter and push it through the barrel to the muzzle.
- 4 Remove the soiled VFG felt pellet and pull back the cleaning rod.
- 5 Apply a new VFG felt pellet to the cleaning rod adapter and moisten it with Rimfire Blend.
- 6 Insert the moistened VFG felt pellet into the barrel and push it to the muzzle with short movements.
- 7 Remove the soiled VFG felt pellet and pull back the cleaning rod.
Intensive cleaning after 200-300 shoots.
After 200-300 shots, the barrel should be cleaned with a bronze brush. Push the brush in the direction of the muzzle. Repeat this three times. Only a bronze brush can completely remove lead remnants.
- 8 Apply a new VFG felt pellet and push it through the barrel to the muzzle. Repeat this, until the felt pellets are no longer soiled.
- 9 Apply a new VFG felt pellet and moisten it with gun oil.
- 10 Insert the oil-moistened VFG felt pellet into the barrel and push it to the muzzle with short movements.
- 11 Remove the cleaning rod guide, clean the action system of the receiver with a cotton bud.
- 12 Clean the bolt with a cloth and gun oil. Apply a slight film of gun oil to the bolt, the lock nuts and the cam.
- 13 **CLEAN THE BARREL BEFORE FIRING THE NEXT TIME!**
It is essential to visually control the barrel and to assure that it is free of foreign particles and condensation.



BARREL SLEEVE AND METAL PARTS

The maintenance of the barrel sleeve and the external metal parts is crucial especially in the case of damp weather or if the surface is exposed to sweat. Clean all external metal surfaces with a slightly oiled cloth after the shooting session in order to protect it from rust.



BOLT

All remnants of burnt powder must be removed from the bolt. It is best to use a brush (toothbrush). Then clean the bolt with a cloth and apply a slight oil film.

Apply gun oil to the cam and the lock nuts

WOODEN OR ALU STOCK

Rub the wooden stock with a dry cloth.

ATTENTION!

Under no circumstances use pastes or paste-like emulsions to clean the barrel. They can have a polishing, abrasive effect on the barrel and can cause damages to it.

Use only cleaning products which have been tested by the rifle manufacturer. These are the following products:

Bore-Tech / Rimfire-Blend / Brunox / Hoppes No. 9 / Tetra Gun.

Only use bronze brushes as steel brushes can damage the barrel. The manufacturer does not make any guarantee in case of damages caused by the use of unsuitable cleaning products or devices.

There exist numerous cleaning products and gun oils for the cleaning. Enquire at the specialized trade about the appropriate products for the cleaning and maintenance of your rifle.

A service and security check should be carried out once a year at an authorized workshop.

GUARANTEE

Instead of the implied warranty, we grant a guarantee of six months for the perfect functioning and the careful workmanship of your Bleiker rifle.

The stock of your rifle has been carefully scrutinized before leaving the manufactory and was found to be flawless. No guarantee will be given for damages to the stock.

The guarantee expires in the case of the use of reloaded (re-assembled), handloaded or non-standard ammunition.

The guarantee expires in the case of modifications to the rifle, which are not carried out by an authorized gunsmith, or in the case of the use of non-original parts.

Complaints:

Upon its arrival, the delivered product must be examined for its correctness and its condition. Complaints can only be taken into consideration within five days after receipt of the product. Later-appearing or hidden defects must be reported within five days after their discovery.

Damages which are caused by transport or occur at their destination are not covered by the guarantee. The purchaser must carefully examine the delivered product before accepting it, and report any complaints to the haulier.

Reservation of proprietary rights:

Until complete payment, the proprietary rights of the delivered product remain with Bleiker.

Place of performance and place of jurisdiction is Bütschwil, Switzerland.

H. Bleiker Sporting Rifles



For the marksman who wants the ultimate in
precision for maximum results!

FOR WINNERS!



OLYMPIC CHAMPION

WORLD CHAMPION

EUROPEAN CHAMPION

WORLD RECORD

EUROPEAN RECORD

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